



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 409 251 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **90113910.5**

(51) Int. Cl.⁵: **B05B 3/04**

(22) Date of filing: **20.07.90**

(30) Priority: **21.07.89 IL 91062**

(43) Date of publication of application:
23.01.91 Bulletin 91/04

(84) Designated Contracting States:
DE ES FR GB GR IT NL

(88) Date of deferred publication of the search report:
23.10.91 Bulletin 91/43

(71) Applicant: **AGROTEAM CONSULTANTS LTD.**
8 Nitzanim Street
IL-10 500 Migdal Ha'mek(IL)

Applicant: **PLASTRO GVAT**

Kibbutz Gvat(IL)

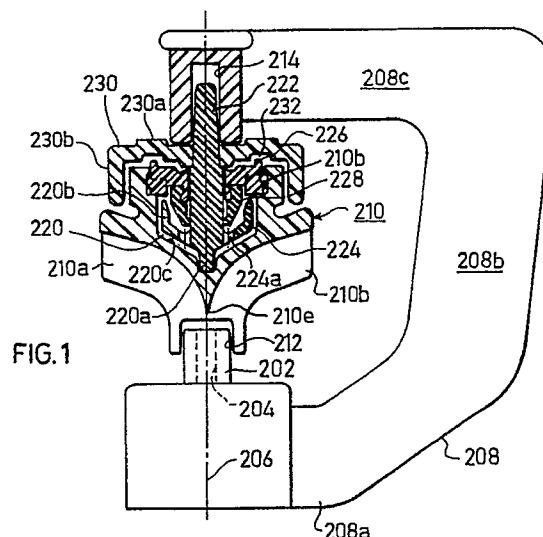
(72) Inventor: **Cohen, Amir**

20142 Yuvalim(IL)

(74) Representative: **Modiano, Guido et al**
MODIANO, JOSIF, PISANTY & STAUB
Modiano & Associati Baaderstrasse 3
W-8000 München 5(DE)

(54) **Rotary sprinklers.**

(57) A rotary sprinkler includes a rotor (210) rotatably mounted with respect to its nozzle and a retarding device having a first surface rotatable with the rotor, a second surface non-rotatable with respect to the nozzle (202), and a viscous liquid between the two surfaces. The first surface of the retarding device is a cavity (220) formed in the rotor, and the second surface of the retarding device is on a pin (222) non-rotatably mounted with respect to the nozzle and disposed within the cavity (220). The rotor further includes a cover (226) closing the cavity (220) and formed with an opening for receiving the pin (222), and a seal (228) carried by the cover (226) and including an annular sealing surface in contact with the pin (222) to seal the cavity, the annular surface of the seal being located so as to be continuously immersed in the viscous liquid in the cavity.



EP 0 409 251 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 11 3910

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	WO-A-8 701 620 (NELSON IRRIGATION CORP.) * Claim 7; figures 6,8,11,18; page 36, line 34 - page 39, line 30 *	1	B 05 B 3/04

D,A	US-A-4 796 811 (DAVISSON) * Figure 1; claim 1; column 7, lines 21-40 *	1	

			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 05 B
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		22 July 91	GUASTAVINO L.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
Y : particularly relevant if combined with another document of the same category		D : document cited in the application	
A : technological background		L : document cited for other reasons	
O : non-written disclosure		-----	
P : intermediate document		& : member of the same patent family, corresponding document	
T : theory or principle underlying the invention			